

卷之三

205220 " E551800T

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G CAGTGGTCA
CTTACAAGAA CCTGGTCTTC AAACCAGACA GGTTAACCAA TTCTCTCTTT AACTCTGTGT -1000
TTGGTTGCAT GTAATACTGA GAATGGAAGA CTCAAATTCT CGAGGAATT GTTGTGTTAC -940
TGTTCAGGG AGGCTTTGT TGAGAAGGTC AAGAGCACAT ACAAAAGACAT ATTAGGGAGC -880
AGCTGAATCA AAGGAGGAAG AAGAAGAAGA AGAGCCTTT TCAAGGCCATT CATGAATTG -820
AATGAAGGAT ATCAAAAGAA TCTAACACAA AGGGCACGTC CTTCCTTCAA TCGGGCTTTT -760
TTGTAACTAA ATAATTTCA TCCTTCTCT CTCTCTGTCT CTGGTCTTT TTAGCTCAAA -700
GTATCATCCA TTTATGTCAA AGTGTGTAA ATTCCCTCAAG ACTATATATG AGATGTTTG -640
TTTCATTTC CAAATTCAT AACTTGTCC CCATTAGTC TTCTACCCCT CATGGCATGGT -580
TAGCTTAGCT TAATGCTGAA CTGTTGAATA ACGATATGGG CCTTATGCTA AAAGAACAAA -520
ACCTTATGGG TCTAAAAAA ATAAGCCCAA TATAAAACTA TGGCCCAAAT AAGTTTAGGT -460
CCATTAGAT GTGAGGAATAG CGCGTGTAGT TCCC GGTTCC ACTGATGTTT CTAGTGTATC AGACACGTT -400
GGTGAAGTAG TCGTCTAGAT TAAAGGATCT TAAGTAGGTC CCACTAGATC AAGATATTAT -340
CGACAAACTG GTGGGAGAGA AACGAATTGA CCTTTTTAAC CTTTCAGGTA GTCCCCGGAAC TCGTGGCCTA GAATACAAAG -280
AAGGTTGTGA ACAAGGTGAT GTAAAGATGG ACAAGAAATGT AACTTGACCA AAAGCTGAAT -220
CATCTCTCA GCCACTAGTA TGGTGAACATA TGGCAGTTTC TTTTGTAGCC TCGAAATAAA -160
TAAATTAAA AGTTTGAGGT TAAAGATAAT TATAGTGGCT GAGATTCTC CATTCCGTA -100
GCTCTGGTC TCTTTCTTT GTTTCATTGA TCAAAGCAA ATCACTTCTT CTTCCTCTTC -40
TTCTCGATT CTTACTGTT TCTTATCCAA CGAAATCTGG ATTAAANAT GGAATCTTIA 21
TCGAATCCA GCTGATTGG TTCTTCAT TGAATCATCT CTCTAAAGGT ACTTAAGAT 21
GATTATTGT CATGGTCTT CTTATGTTT GATGAATAAC TTGACTTGTAT TGTGTTTTGT 81
TTTGTGGAT AGTGAATT TGTAAAGAGA AGATCTGAAG TTGTTGAG GAGCTTAGTG 321
ATG GAG ACA AAT TCG TCT GGA GAA GAT CTG GTT ATT AAG GTAAATTAAAC 370

FIG. 2A

205220 " EESHTGIDDT

Met Glu Thr Asn Ser Ser Gly Glu Asp Leu Val Ile Lys
1 5 10

TAAATTAG GGGGAAGATG ATTGTTTAG GTGTCAAAGA TTGAGAATT TAATGAAACT 430
TGATATAG ACT CGG AAG CCA TAT ACG ATA ACA AAG CAA CGT GAA AGG TGG 480
Thr Arg Lys Pro Tyr Thr Ile Thr Lys Gln Arg Glu Arg Trp
15 20 25

ACT GAG GAA CAT AAT AGA TTC ATT GAA GCT TTG AGG CTT TAT GGT 528
Thr Glu Glu His Asn Arg Phe Ile Glu Ala Leu Arg Leu Tyr Gly
30 35 40

AGA GCA TGG CAG AAG ATT GAA G GTTGATT ATTCCCTT ATATGTCTTA 580
Arg Ala Trp Gln Lys Ile Glu
45 50

TTTTTGTTGTTGTTGAGGT TTGAGAGGT TTGTCCTCAA ACTGATTGCT TTTTTTCAT TTGGACAG 638
AA CAT GTA GCA ACA AAA ACT GCT GTC CAG ATA AGA AGT CAC GCT CAG 685
Glu His Val Ala Thr Lys Thr Ala Val Gln Ile Arg Ser His Ala Gln
55 60 65

AAA TTT TTC TCC AAG GTAAAATCGG TAAATTGTA AATGATGTT TCATCTCAT 740
Lys Phe Phe Ser Lys
70

TGGCTTAATG CTTAAGACTT ATTGAAAGCC AGGCAAGTT TCTGCCTCTT TTGCTTCTTA 800
GTCAGGAGAT AGATAGATA CGTTTTAGA GTTAGTAAT GAGCAATAAG TCTTAAATAA 860
GTTGGACAAA TGACGGAGATG TAATCGTTT CTTTGTCTTA TGCCTATATC TTGTTAATCC 920
ACAAACATGT ACATAGATTC TTCAGAAGAA TGTTAGTTTCTT TTAGATTCT TCAGATTAAC 980
TTGTGTCTTC TTACCGATC TGAGGTAGTG GCAAAAGTGG GCTGAGTGCT AGAAATTTTT 1040

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FIG. 2B

205220 " ESS4800T

GAATGTTCCCT TGTGATAAGC CATAAGGGTA AACCAATT GATTTCAG TTCTGTCATT
TAAACTTGT AGGTGTCATT AGATTTTGTT TTGTTACGT TTGTTAGAG GGTAAACAAA 1100
CTACTCTCAT CTCTCTCAG GTA GAG AAA GAG GCT GAA GCT AAA GGT GTA GCT 1160
Val Glu Lys Glu Ala Glu Ala Lys Gly Val Ala 1212

ATG GGT CAA GCG CTA GAC ATA GCT ATT CCT CCT CCA CGG CCT AAG CGT 80
Met Gly Gln Ala Leu Asp Ile Ala Ile Pro Pro Arg Pro Pro Arg Pro Lys Arg 1260
85
AAA CCA AAC AAT CCT TAT CCT CGA AAG ACG GGA AGT GGA ACG ATC CTT 95
Lys Pro Asn Asn Pro Tyr Pro Arg Lys Thr Gly Ser Gly Thr Ile Leu 1308
100
ATG TCA AAA ACG GGT GTG AAT GAT GGA AAA GAG TCC CTT GGA TCA GAA 110
Met Ser Lys Thr Gly Val Asn Asp Gly Lys Glu Ser Leu Gly Ser Glu 1356
115
AAA GTG TCG CAT CCT GAG GTGATTCA TGGTCATATG GCATCTTTT GCAGTGTGTC 1414
Lys Val Ser His Pro Glu 120
125
130
135
140
145
150
155
ACATTGCTCC TCATGTTATT ATACAGATT GTGTGCTTCG TTTATAG ATG GCC AAT 1470
GAA GAT CGA CAA CAA TCA AAG CCT GAA GAG AAA ACT CTG CAG GAA GAC Met Ala Asn 1518
Glu Asp Arg Gln Gln Ser Lys Pro Glu Glu Lys Thr Leu Gln Glu Asp
150
155

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FIG. 2C

205220 "ES54800T

AAC	TGT	TCA	GAT	TGG	TTC	ACT	CAT	CAG	TAT	CTC	TCT	GCT	GCA	TCC	TCC	1566
Asn	Cys	Ser	Asp	Cys	Phe	Thr	His	Gln	Tyr	Leu	Ser	Ala	Ala	Ser	Ser	
					160				165					170		
ATG	AAT	AAA	AGT	TGT	ATA	GAG	ACA	TCA	AAC	GCA	AGC	ACT	TTC	CGC	GAG	1614
Met	Asn	Lys	Ser	Cys	Ile	Glu	Thr	Ser	Asn	Ala	Ser	Thr	Phe	Arg	Glu	
					175				180					185		
TTC	TTG	CCT	TCA	CGG	GAA	GAG	GTAAAAACA	ATCCTTCATT	GCTATTGAG							1665
Phe	Leu	Pro	Ser	Arg	Glu											
					190											
GTTTAAGAC GATTAGTACT TTTCATGAAA CTAAACCGT GGGGAATAA CAG GGA																1721
AGT	CAG	AAT	AAC	AGG	GTA	AGA	AAG	GAG	TCA	AAC	TCA	GAT	TTG	AAT	GCA	1769
Ser	Gln	Asn	Asn	Arg	Val	Arg	Lys	Glu	Ser	Asn	Ser	Asp	Leu	Asn	Ala	
					200				205				210			
AAA	TCT	CTG	GAA	AAC	GGT	AAT	GAG	CAA	GGG	CCT	CAG	ACT	TAT	CCG	ATG	1817
Lys	Ser	Leu	Glu	Asn	Gly	Asn	Glu	Gln	Gly	Pro	Gln	Thr	Tyr	Pro	Met	
					215				220				225			
CAT	ATC	CCT	GTG	CTA	GTG	CCA	TTG	GGG	AGC	TCA	ATA	ACA	AGT	TCT	CTA	1865
His	Ile	Pro	Val	Leu	Val	Pro	Leu	Gly	Ser	Ser	Ile	Thr	Ser	Ser	Leu	
					230				235				240			
TCA	CAT	CCT	TCA	GAG	CCA	GAT	AGT	CAT	CCC	CAC	ACA	GTT	GCA	GGG	1913	
Ser	His	Pro	Pro	Ser	Glu	Pro	Asp	Ser	His	Pro	His	Thr	Val	Ala	Gly	
					245				250				255			

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FIG. 2D

2015-220 "E554800T

GAT	TAT	CAG	TCG	TTT	CCT	AAT	CAT	ATA	ATG	TCA	ACC	CTT	TTA	CAA	ACA	1961
Asp	Tyr	Gln	Ser	Phe	Pro	Asn	His	Ile	Met	Ser	Thr	Leu	Leu	Gln	Thr	
260		265						270								275
CCG	GCT	CTT	TAT	ACT	GCC	GCA	ACT	TTC	GCC	TCA	TCA	TTT	TGG	CCT	CCC	2009
Pro	Ala	Leu	Tyr	Thr	Ala	Ala	Thr	Phe	Ala	Ser	Ser	Phe	Trp	Pro	Pro	
				280				285					290			
GAT	TCT	AGT	GGT	GGC	TCA	CCT	GTT	CCA	GGG	AAC	TCA	CCT	CCG	AAT	CTG	2057
Asp	Ser	Ser	Gly	Gly	Ser	Pro	Val	Pro	Gly	Asn	Ser	Pro	Pro	Asn	Leu	
				295				300					305			
GCT	GCC	ATG	GCC	GCA	GCC	ACT	GTT	GCA	GCT	GCT	AGT	GCT	TGG	TGG	GCT	2105
Ala	Ala	Met	Ala	Ala	Ala	Thr	Val	Ala	Ala	Ala	Ser	Ala	Trp	Trp	Ala	
				310				315					320			
GCC	AAT	GGA	TTA	TTA	CCT	TTA	TGT	GCT	CCT	CTT	AGT	TCA	GGT	GGT	TTC	2153
Ala	Asn	Gly	Leu	Leu	Pro	Leu	Cys	Ala	Pro	Leu	Ser	Ser	Gly	Gly	Phe	
				325				330					335			
ACT	AGT	CAT	CCT	CCA	TCT	ACT	TTT	GGA	CCA	TCA	TGT	GAT	GTA	GAG	TAC	2201
Thr	Ser	His	Pro	Pro	Ser	Thr	Phe	Gly	Pro	Ser	Cys	Asp	Val	Glu	Tyr	
													350			355
ACA	AAA	GCA	AGC	ACT	TTA	CAA	CAT	GGT	TCT	GTG	CAG	AGC	CGA	GAG	CAA	2249
Thr	Lys	Ala	Ser	Thr	Leu	Gln	His	Gly	Ser	Val	Gln	Ser	Arg	Glu	Gln	
GAA	CAC	TCC	GAG	GCA	TCA	AAG	GCT	CGA	TCT	TCA	CTG	GAC	TCA	GAG	GAT	2297
Glu	His	Ser	Glu	Ala	Ser	Lys	Ala	Arg	Ser	Ser	Leu	Asp	Ser	Glu	Asp	
				375				380					385			

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FIG. 2E

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FIG. 2F

205220 " E554800T

TTC TCC AGA GAG GTA TTG CCG CAA AGT TTT ACA TAT CGA GAA GAA CAC
Phe Ser Arg Glu Val Leu Pro Gln Ser Phe Thr Tyr Arg Glu Glu His 2742
500
505
AGA GAG GAA CAA CAA CAA GAA CAA AGA TAT CCA ATG GCA CTT
Arg Glu Glu Gln Gln Gln Gln Glu Gln Arg Tyr Pro Met Ala Leu 2790
510
515
GAT CTT AAC TTC ACA GCT CAG TTA ACA CCA GTT GAT CAA GAG GAG
Asp Leu Asn Phe Thr Ala Gln Leu Thr Pro Val Asp Asp Gln Glu Glu 2838
520
525
530
535
AAG AGA AAC ACA GGA TTT CTT GGA ATC GGA TTA GAT GCT TCA AAG CTA
Lys Arg Asn Thr Gly Phe Leu Gly Ile Gly Leu Asp Ala Ser Lys Leu 2886
545
550
ATG AGT AGA GGA AGA ACA GGT TTT AAA CCA TAC AAA AGA TGT TCC ATG
Met Ser Arg Gly Arg Thr Gly Phe Lys Pro Tyr Lys Arg Cys Ser Met 2934
555
560
565
570
575
GCC AAA GAA AGT AGA ATC CTC AAC AAC AAT CCT ATC ATT CAT GTG
Glu Ala Lys Glu Ser Arg Ile Leu Asn Asn Pro Ile Ile His Val 2982
580
585
590
595
GAA CAG AAA GAT CCC AAA CGG ATG CGG TTG GAA ACT CAA GCT TCC ACA
Glu Gln Lys Asp Pro Lys Arg Met Arg Leu Glu Thr Gln Ala Ser Thr 3030
600
605
TGAGACTCTA TTTTCACTCTG ATCTGTGTT TGTACTCTGT TTTTAAGTT TCAAAGACCAC
TGCTACATT TCTTTTCTT TTGAGGCCCT TGATTTGTT TCCTTGTCCA TAGTCTTCCCT 3090
GTAACTATTG ACTCTGTATT ATTCAACAAA TCATAAACCTG TTTAATCTTT TTTTTTCCAA 3150
CCTGGAAAGA ACTTCACTCA AGGGGCCTT GTTCTTGATA TATGCAAACG ACAGAGTCCC 3210
AAACGTAAT CTTAGCCCCAT CCATCACCCCT TAAGTTGTCATAACTCAT AAGTAAGCAC 3270
AAAAA 3330

FIG. 2G

205220 " E55+800T

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* * aa
CCA1 RERWTEEEHNRFIEALRLYGR-AWQKIEEH-VATKTAQIIRSHAQKFF-SKVEKE 75
St 1 GVFVWTEEEHMRMFLGLGKIKGDWTRGTDARNVVIISRTPTQVASHAQKVFIRQSNMS 155
HMyb KITSWTEEEDRILYCAAHKRIGN-RWAEIAKL-LPGRTDNIAIKNHWNSTMRRKVEQE 196
CMyb KITSWTEEEDRILYCAAHKRIGN-RWAEIAKL-LPGRTDNIAIKNHWNSTMRRKVEQE 196
DMyb KITAWTEREDEIIYCAAHLEIGN-QWAKKIAKR-LPGRTDNIAIKNHWNSTMRRKVE 240
ZmC1 RGNISYDDEDLIIIRLHRLYGN-RWSLITAGR-LPGRTDNIEIKNYWNSTLGRAGAG 121
YBAS1 LREWTLIEDNLISKVKAYGT-KWPKISSE-MEFRPSLTCRNRWKII-TMVVRG 220
AtG11 KGNETEQEEDLIIIRLHKLIGN-RWSLIAKR-VPGRIDDNQVAKYWNTHL-SKKLVG 120

FIG. 3

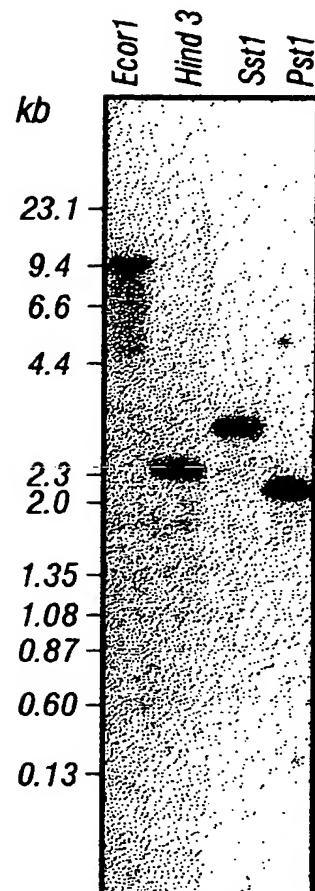


FIG. 4

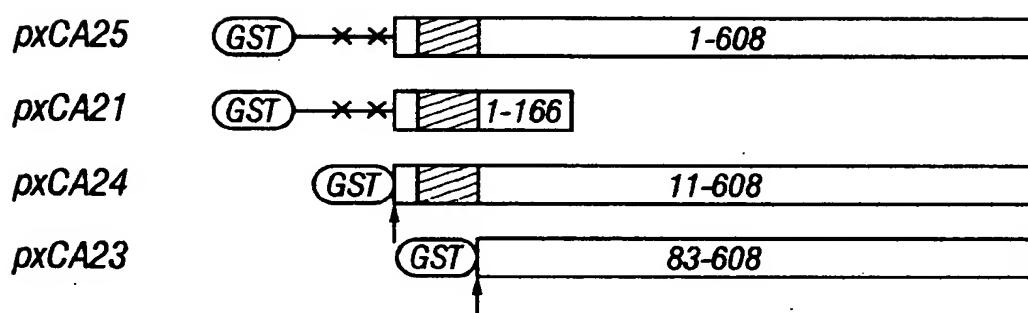


FIG. 5

205220 " E554800 T

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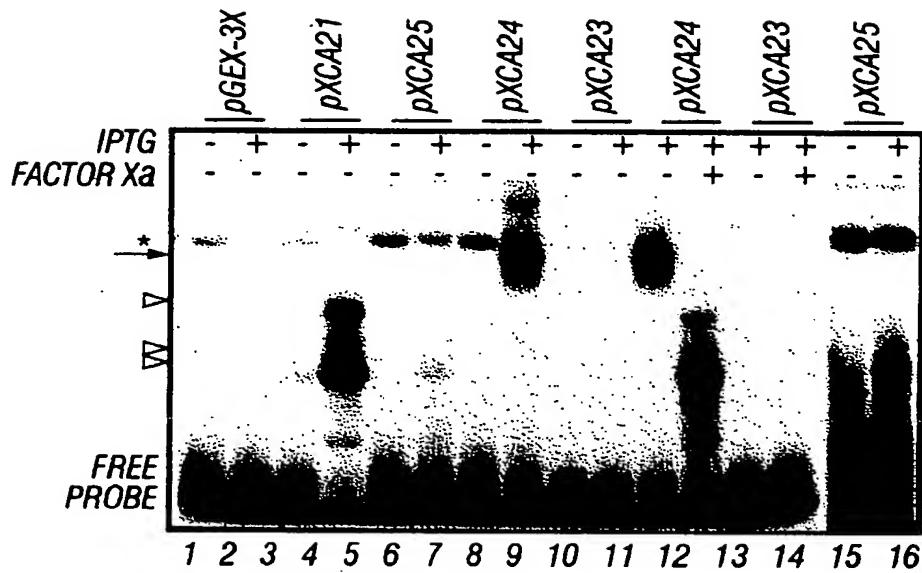


FIG. 6

REACTION	1	2	3	4
CA-1(μg)	0	0	0	4.6
CCA1(ng)	43	172	172	0
POLY(didC)(μg)	0	0	3	3

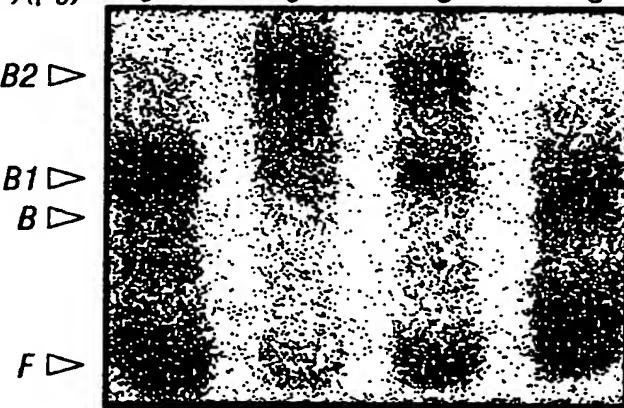


FIG. 7A

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10084553 - 022502

RACTION:
COMPLEX: S $\frac{1}{F\ B1}$ $\frac{2}{B2}$ $\frac{4}{F\ B}$ $\frac{3}{F\ B2\ B1}$ S

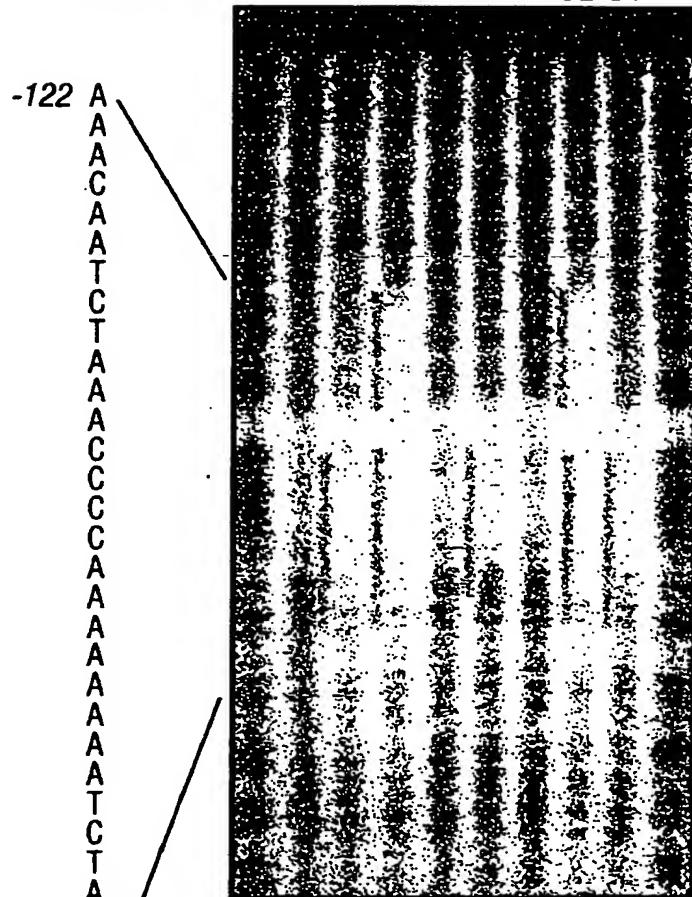


FIG. 7B

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20084553 022502

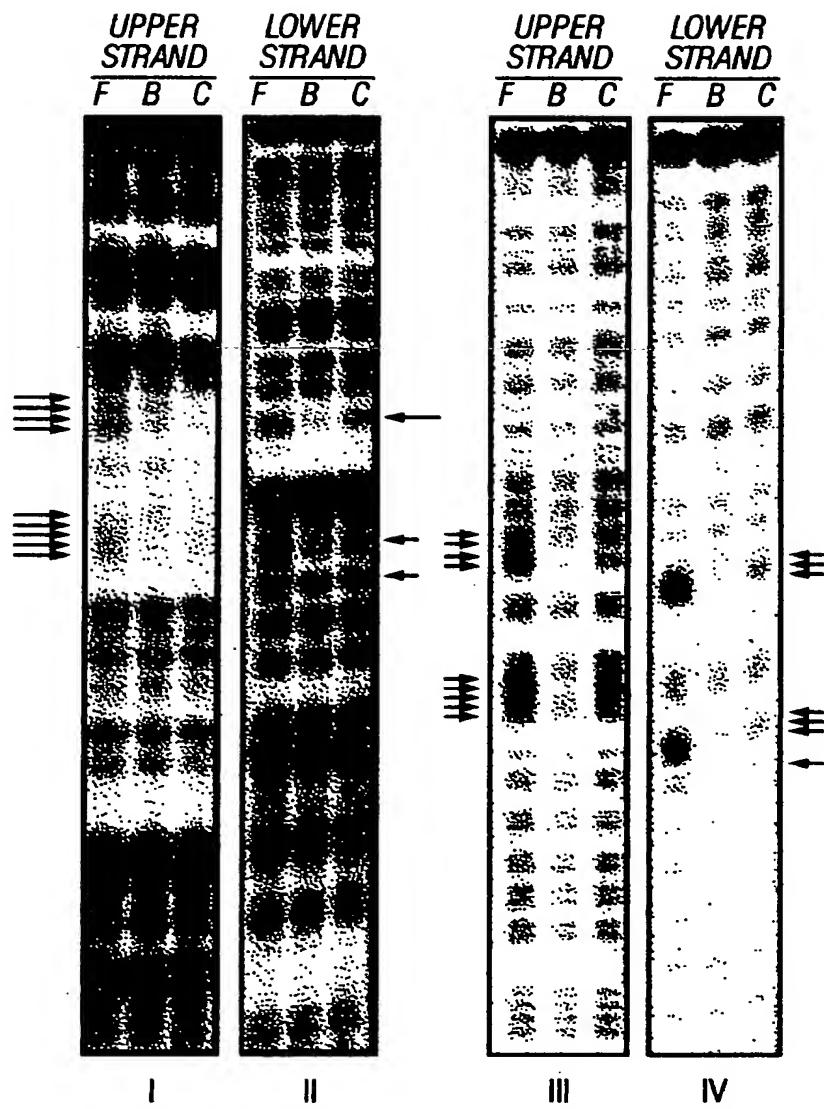


FIG. 8

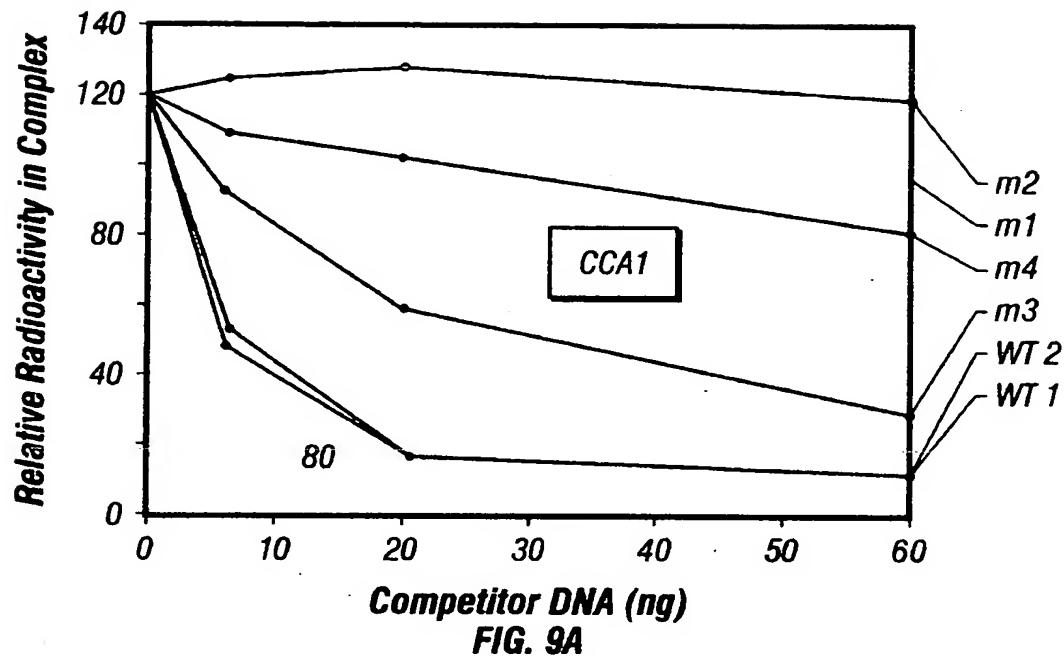


FIG. 9A

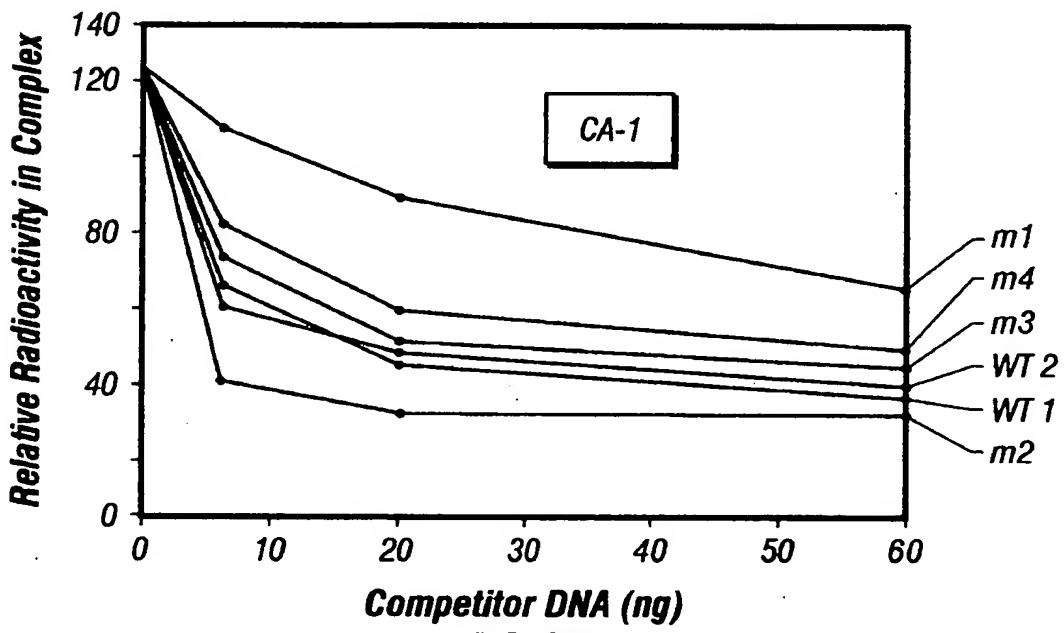


FIG. 9B

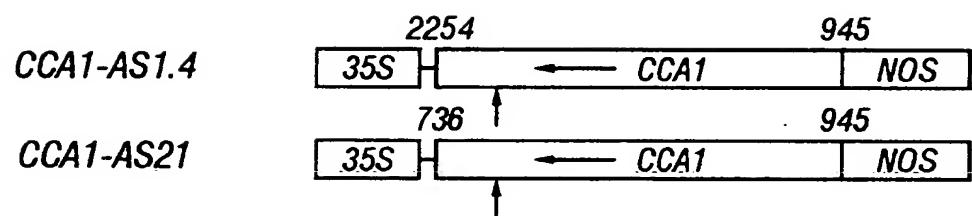


FIG. 10

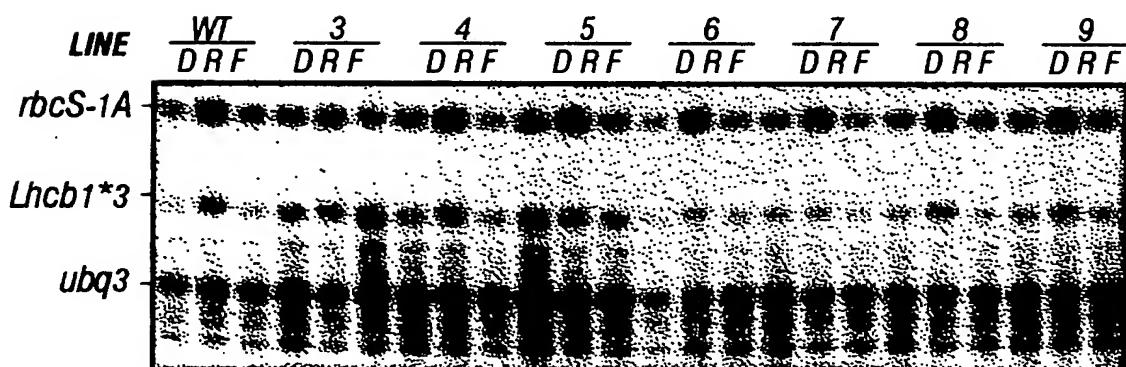


FIG. 11

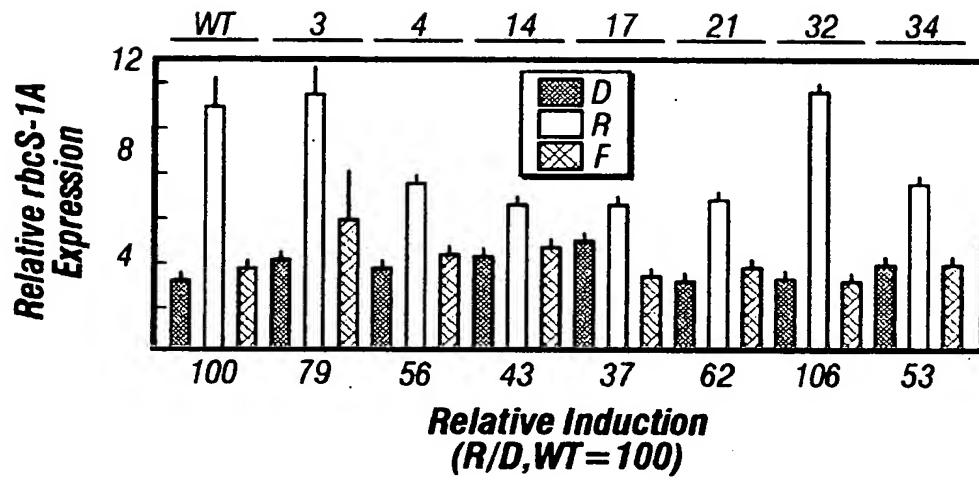


FIG. 11A

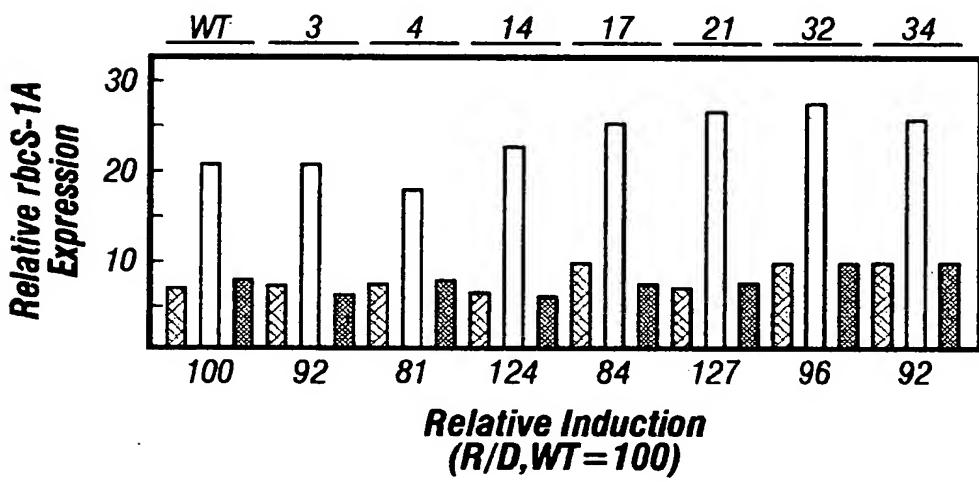


FIG. 11B

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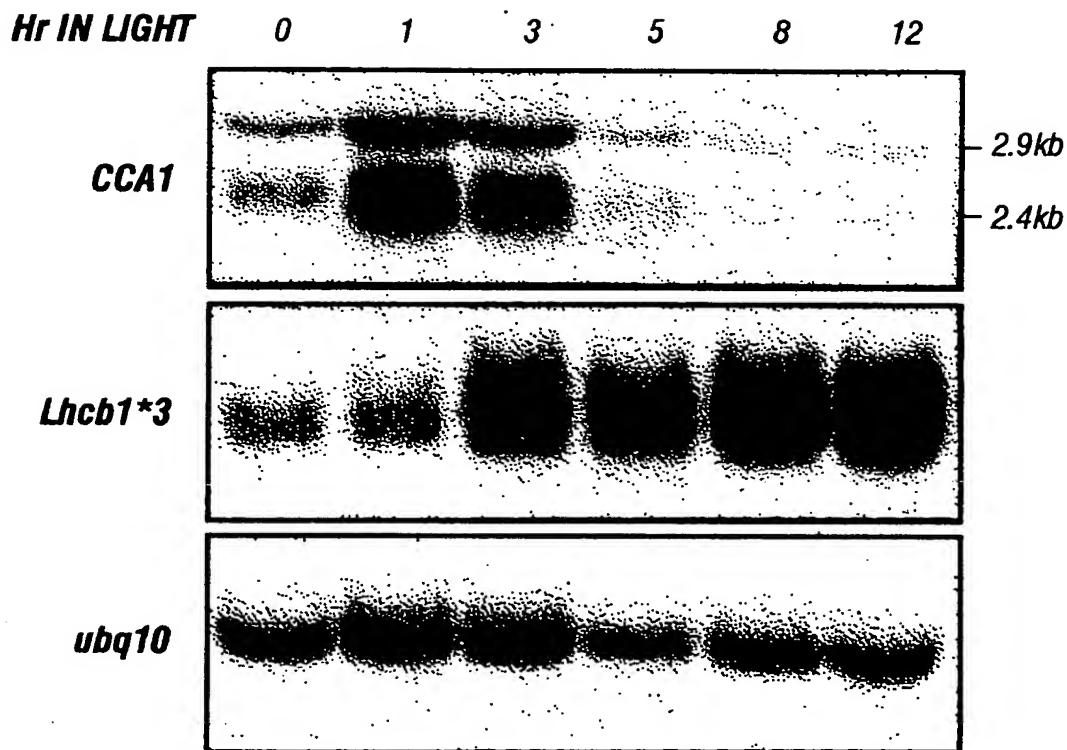


FIG. 12A

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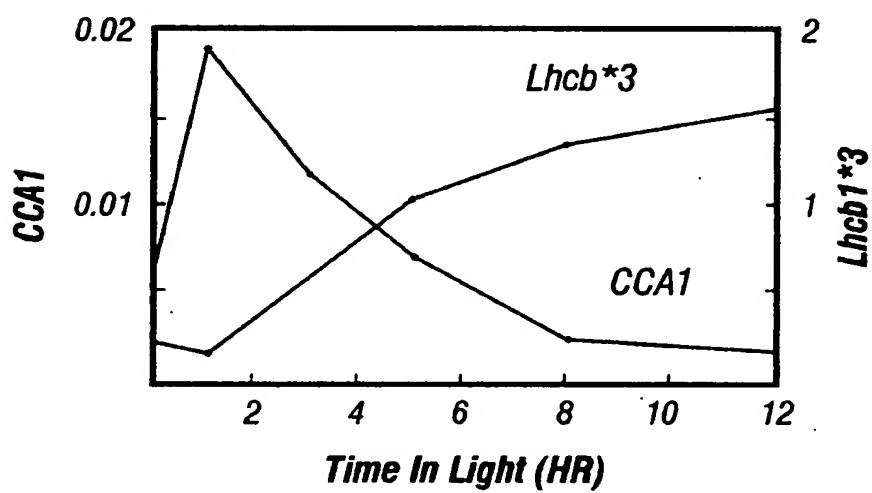


FIG. 12B

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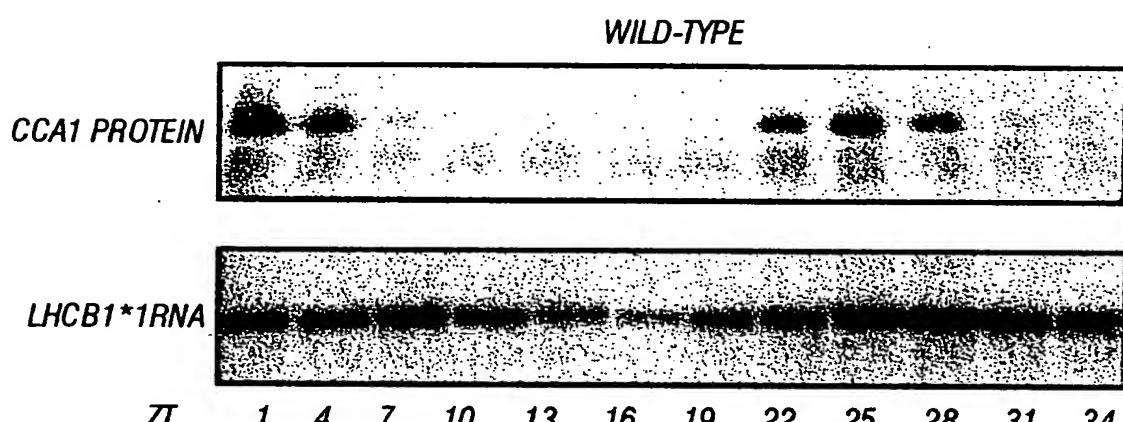


FIG. 13A

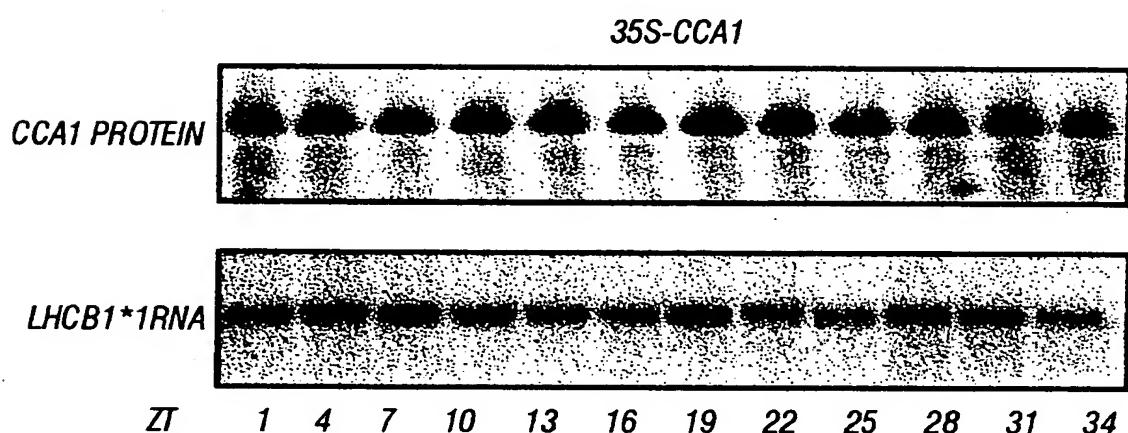


FIG. 13B

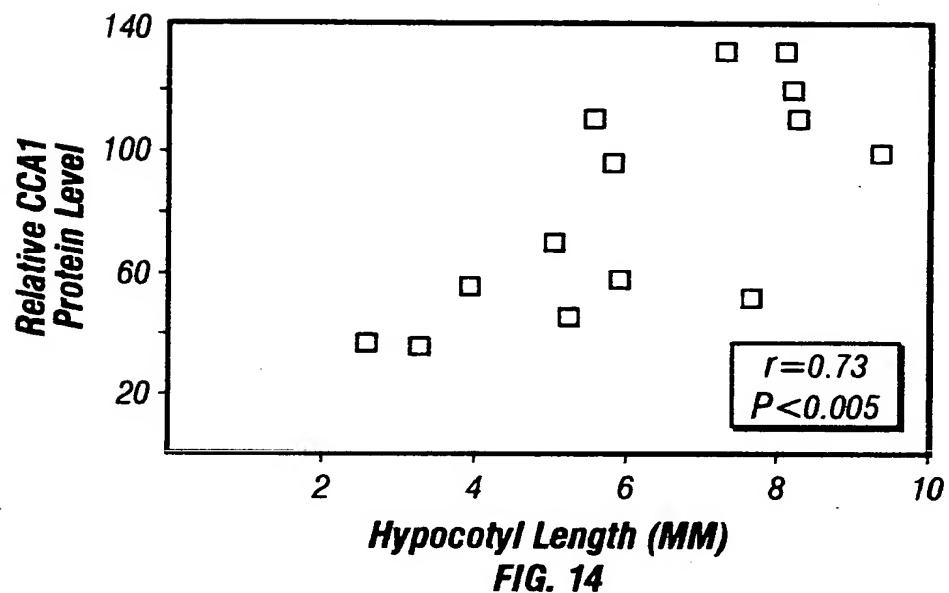


FIG. 14

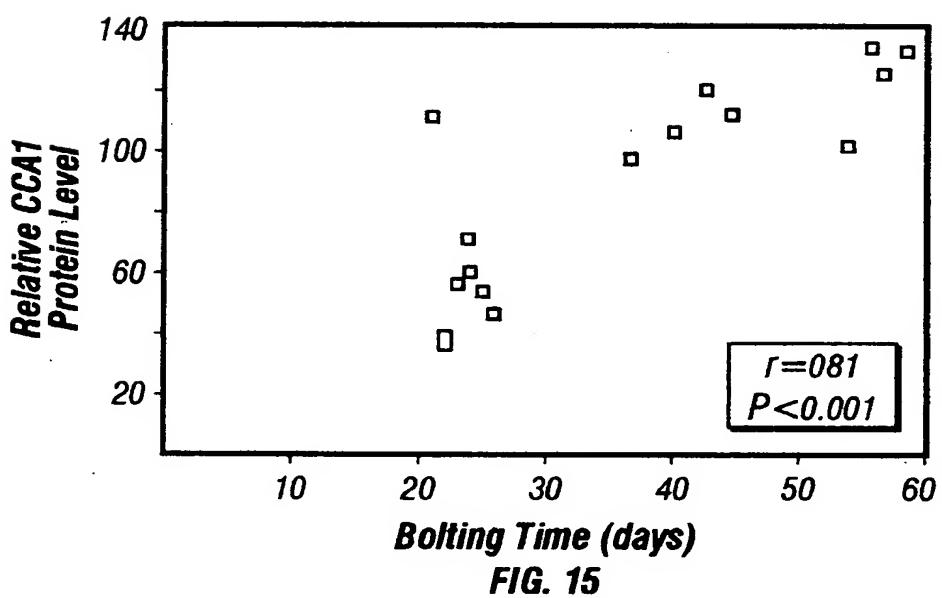


FIG. 15